

IN THE CLAIMS:

Please **CANCEL** claim 25 without prejudice or disclaimer.

Please **AMEND** claims 1-3, 6-11, 13-17, and 19-24 as follows.

1. (Currently Amended) A method for determining ~~the~~ behavior patterns of users of a telecommunication system based on the basis of information collected from the telecommunication system, the method comprising:

defining at least one variable or a combination of variables of the telecommunication system;

filtering user-specific information corresponding to the defined at least one variable or ~~a~~ the combination of variables from the information collected from the telecommunication system; and

classifying the users of the telecommunication system based on the basis of the filtered user-specific information into various classes indicative of a user's ~~behaviour~~ behavior patterns during use of the telecommunication system.

2. (Currently Amended) The method of claim 1, wherein said user-specific information is filtered from the information collected in real time from the telecommunication system ~~in real time~~.

3. (Currently Amended) The method of claim 1, further comprising:

~~saving the filtered user-specific information wherein after said filtering of information the filtered information is saved for later analysis.~~

4. (Currently Amended) The method of claim 1, further comprising:
statistically analyzing the classified information ~~wherein after the classification,~~
~~statistical analysis is carried out on the classified information.~~

5. (Currently Amended) The method of claim 4, further comprising:
regulating ~~wherein~~ parameters essential for the quality of service of the
telecommunication system ~~are regulated on the basis of~~ based on said statistical analysis.

6. (Currently Amended) The method of claim 4, further comprising:
drawing conclusions ~~wherein based on the basis of~~ said statistical analysis,
wherein the conclusions are drawn about the behaviour behavior pattern of a certain group
of users in ~~at~~ the telecommunication system.

7. (Currently Amended) The method of claim 1, wherein the classifying
comprises classifying the users into the various classes indicative of a user's ~~classes of~~
~~behaviour~~ behavior patterns ~~used in the classification of users are defined in connection~~
with the definition of variables.

8. (Currently Amended) The method of claim 1, further comprising:
changing wherein the definitions of the classes of ~~behaviour~~behavior patterns used
in the classification of users ~~are changed~~.

9. (Currently Amended) The method of claim 8, further comprising:
classifying wherein said filtered user-specific information ~~unclassified information~~
~~is classified into said~~ previously presented classes of ~~behaviour~~behavior patterns.

10. (Currently Amended) The method of claim 1, wherein at least one of the
variables is ~~the~~ a type of contact of the user.

11. (Currently Amended) The method of claim 1, wherein at least one of the
variables is ~~the~~ a type of system service.

12. (Previously Presented) The method of claim 1, wherein said
telecommunication system is a mobile communication system.

13. (Currently Amended) A system for determining ~~the~~ users' patterns of
~~behaviour~~behavior in a telecommunication system, said system comprising:

defining means for defining at least one variable or a combination of variables of
the telecommunication system;

filtering means for filtering ~~said~~ user-specific information corresponding to the at least one variable or ~~a~~ the combination of variables from the user-specific information received from the telecommunication system; and

classifying means for classifying ~~the~~ users of the telecommunication system based on ~~the basis of~~ said filtered user-specific information into various classes indicative of a user's ~~behaviour~~ behavior patterns during use of the telecommunication system.

14. (Currently Amended) The system of claim 13, wherein the system is ~~designed~~ configured to process the information received in real time from the telecommunication system ~~in real time~~.

15. (Currently Amended) The system of claim 13, wherein the system ~~has~~ comprises a memorizing means ~~memory~~ for saving said filtered user-specific information.

16. (Currently Amended) The system of claim 13, wherein the system ~~has~~ comprises analysis means for statistically analysis ~~analysis of~~ analyzing the classification of the ~~behaviour~~ behavior patterns of users received from the classifying means and/or for defining previously presented classes of ~~behaviour~~ behavior patterns.

17. (Currently Amended) The system of claim 13, wherein the system

~~has further comprises~~ regulating means for regulating the values of parameters essential for the quality of service of the telecommunication system based on ~~the basis of the~~ information received from the analysis means.

18. (Previously Presented) The system of claim 13, wherein said telecommunication system is a mobile communication system.

19. (Currently Amended) A ~~telecommunication~~ system for determining the ~~behaviour~~ behavior patterns of users of ~~the a~~ telecommunication system based on ~~the basis of~~ information collected from the telecommunication system, the system comprising:

at least one base station;

at least one mobile services switching center ~~(MSC) for establishing~~ configured to establish a connection to a mobile station and ~~generating~~ further configured to generate connection information;

at least one network management system ~~(NMS) for monitoring and managing~~ configured to monitor and manage an operation of the telecommunication system;

a customer register ~~for receiving~~ configured to receive the connection information from the at least one mobile services switching center ~~MSC~~;

a statistical unit ~~for receiving~~ configured to receive statistical information from the at least one network management system ~~NMS~~;

a filter configured to filter said user-specific information corresponding to at least

one variable or a combination of variables from the user-specific information received from the telecommunication system, wherein said at least one variable or a ~~the~~ combination of variables ~~being~~ are defined in the telecommunication system; and

a classifier configured to classify ~~the~~ users of the telecommunication system based on ~~the basis of~~ said filtered user-specific information into various classes indicative of a user's ~~behaviour~~ behavior patterns during use of the telecommunication system.

20. (Currently Amended) The ~~telecommunication~~ system of claim 19, wherein the system is configured to process the information received in real time from the telecommunication system ~~in real time~~.

21. (Currently Amended) The ~~telecommunication~~ system of claim 19, further comprising:

a memory ~~for saving~~ configured to save said filtered user-specific information.

22. (Currently Amended) The ~~telecommunication~~ system of claim 19, further comprising:

an analyzer ~~for~~ configured to analyze at least one of statistical analysis of the classification of the ~~behaviour~~ behavior patterns of users received from the classifier and defining previously presented classes of ~~behaviour~~ behavior patterns.

23. (Currently Amended) The ~~telecommunication~~ system of claim 19, further comprising:

a regulator ~~for regulating~~ configured to regulate the values of parameters essential for the quality of service of the telecommunication system on the basis of the information received from the analysis means.

24. (Currently Amended) The ~~telecommunication~~ ~~of~~ system of claim 19, wherein said telecommunication system is a mobile communication system.

25. (Cancelled)